

WHAT IS CLAIMED IS:

1 1. A screen for use in a well, comprising:  
2 a base pipe;  
3 a filter media extending about a portion of the circumference of the base pipe and  
4 defining a first portion of the circumference that is covered by the screen material  
5 and a second portion of the circumference that is not covered by the screen  
6 material;  
7 an adjacent-screen device positioned adjacent to the second portion.

*Sub A*  
1 2. The screen of claim 1, wherein the filter media is selected from a wire wrapping material,  
2 a mesh material, a pre-pack material, a woven mesh material, a sintered mesh material, a  
3 foil material, a wrap-around slotted sheet material, a wrap-around perforated sheet, and  
4 combination thereof.

1 3. The screen of claim 1, wherein the adjacent screen device comprises a control line.

1 4. The screen of claim 3, wherein the control line is a fiber optic line.

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1 5. The screen of claim 4, wherein the fiber optic line comprises a distributed temperature  
2 sensor.

1 6. The screen of claim 4, wherein the fiber optic line is adapted to provide one or more of a  
2 temperature measurement, a pressure measurement, a sand detection measurement, a  
3 phase measurement, a seismic measurement, and an oil-water content measurement.

1 7. The screen of claim 3, wherein the control line is selected from an electric line, a fiber  
2 optic line, a hydraulic control line, and combinations thereof.

1 8. The screen of claim 1, wherein the adjacent screen device comprises an intelligent  
2 completions device.

1 9. The screen of claim 8 wherein the intelligent completions device comprises a sensor.

1 10. The screen of claim 8 wherein the intelligent completions device is selected from a  
2 gauge, a sensor, a valve, a sampling device, a temperature sensor, a pressure sensor, a  
3 flow-control device, a flow rate measurement device, an oil/water/gas ratio measurement  
4 device, a scale detector, an actuator, an equipment sensor, a vibration sensor, a sand

*SOA*

6 detection sensor, a water detection sensor, a data recorder, a viscosity sensor, a density  
7 sensor, a bubble point sensor, a pH meter, a multiphase flow meter, a acoustic sand  
8 detector, a solid detector, a composition sensor, a resistivity array device, a resistivity  
9 array sensor, an acoustic device, an acoustic sensor, a telemetry device, a near infrared  
10 sensor, a gamma ray detector, an H<sub>2</sub>S detector, a CO<sub>2</sub> detector, a downhole memory unit,  
11 a downhole controller, a perforating device, a shape charge, a locator, and a fiber optic  
line.

*WDT*

1 11. The screen of claim 8 wherein the intelligent completions device comprises a shape  
2 charge.

*EDGEE*

1 12. The screen of claim 11, further comprising a plurality of shape charges having a  
2 predetermined phasing.

*W*

1 13. The screen of claim 12, wherein the shape charges define a spiral phasing.

1 14. The screen of claim 1, wherein the adjacent screen device comprises a side conduit.

15. The screen of claim 1, wherein the side conduit is selected from a shunt tube, a chemical  
2 injection line, a fluid conduit, and a hydraulic control line.

1 16. The screen of claim 1, wherein the adjacent screen device is selected from a control line,  
2 an intelligent control device, and a side conduit.

1 17. The screen of claim 1, further comprising a plurality of adjacent screen devices.

1 18. The screen of claim 1, wherein the second portion defines a longitudinal path along the  
2 screen.

1 19. The screen of claim 1, wherein the second portion defines a helical path along the screen.

1 20. The screen of claim 1, wherein the second portion defines an arcuate path along the  
2 screen.

1 21. The screen of claim 1, wherein the second portion is a cut-out portion of the screen and  
2 the adjacent-screen device is an intelligent completions device.

22. The screen of claim 1, wherein the adjacent-screen device is attached to the base pipe.

23. The screen of claim 1, further comprising a plurality of second portions separated by a plurality of first portions.

24. The screen of claim 1, further comprising a shroud.

25. The screen of claim 24, wherein the shroud is eccentrically mounted with respect to the base pipe.

26. The screen of claim 1, wherein the adjacent-screen device is mounted to the base pipe and the filter media is mounted to the adjacent-screen device.

27. The screen of claim 26, wherein the adjacent-screen device comprises a side conduit.

28. The screen of claim 1, ~~wherein the adjacent-screen device is a side conduit having a portion thereof defined by the base pipe.~~

1 29. The screen of claim 1, wherein the base pipe is unperforated.

1 30. The screen of claim 1, further comprising a protective member adapted to protect the  
2 screen-adjacent device.

1 31. The screen of claim 30, wherein the protective member is selected from a channel, a set  
2 of bars mounted to the base pipe, one or more protruding members, and one or more  
3 spacing members.

1 32. The screen of claim 31, further comprising:  
2 an outer member covering at least a portion of the second portion;  
3 the outer member and the base pipe defining a side passageway therebetween.

1 33. The screen of claim 30, wherein the protective member is a dovetail channel.

*N. Smith*

1 34. The screen of claim 1, wherein the base pipe comprises a side pocket mandrel having a side pocket portion and a main bore portion.

1 35. The screen of claim 34, wherein the filter media surrounds the main bore portion.

1 36. The screen of claim 1, wherein the base pipe is expandable.

1 37. The screen of claim 36, wherein the second portion of the screen is a nonexpanding portion.

1 38. The screen of claim 1, further comprising:

2 an expandable base pipe;

3 an expandable shroud surrounding at least a portion of the expandable base pipe;

4 the filter media is disposed between the expandable base pipe and the expandable shroud.

1 39. The screen of claim 38, wherein the shroud forms an integral protective member.

1 40. The screen of claim 39, wherein the integral protective member defines an internal  
2 cavity.  
3

1 41. The screen of claim 38, wherein the shroud extends about a portion of the circumference  
2 of the base pipe only so that at least a portion of the second portion is uncovered by the  
3 shroud.

1 42. The screen of claim 38, further comprising a groove defined in the second portion.

1 43. The screen of claim 38, further comprising the base pipe defining a passageway in a wall  
2 thereof and a screen-adjacent device placed in the passageway.

1 44. The screen of claim 1, wherein the second portion is unperforated.

1 45. A method for completing a well, comprising:

2 positioning a completion string in the well, the completion string having a screen therein,  
3 the screen defining a first portion that is covered by a filter media and a second  
4 portion that is uncovered by the filter media;

*Subh* 5  
providing a screen-adjacent device in the second portion of the screen.

1 46. The method of claim 45, further comprising routing a control line along the second  
2 portion.

1 47. The method of claim 45, further comprising routing a side conduit along the second  
2 portion.

1 48. The method of claim 47, further comprising injecting a fluid through the side conduit.

1 49. The method of claim 47, further comprising injecting at least one of a chemical, a  
2 fracturing fluid, and a gravel slurry through the side conduit.

1 50. The method of claim 45, further comprising routing a fiber optic line along the second  
2 portion.

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The method of claim 50, further comprising measuring one or more of a temperature, a pressure, a particle detection, a phase detection, a seismic measurement, and an oil-water content in the well with the fiber optic line.

1 52.

The method of claim 45, further comprising placing an intelligent completions device adjacent the second portion.

1 53.

The method of claim 45, further comprising measuring a well parameter using a sensor placed adjacent the second portion.

1 54.

The method of claim 45, further comprising perforating the well using a shape charge placed adjacent the second portion.

1 55.

The method of claim 45, further comprising gravel packing the well while measuring a parameter with one or more of a sensor and a fiber optic line placed adjacent the second portion

1 56. The method of claim 45, further comprising fracturing the well while measuring a  
2 parameter with one or more of a sensor and a fiber optic line placed adjacent the second  
3 portion.

1 57. The method of claim 45, further comprising administering a well treatment to the well  
2 while measuring a parameter with one or more of a sensor and a fiber optic line placed  
3 adjacent the second portion.

1 58. The method of claim 45, further comprising expanding the screen.

1 59. An expandable sand screen for a well, comprising:  
2 an expandable base pipe;  
3 a filter media disposed on a first portion of the base pipe;  
4 a screen-adjacent device positioned adjacent a second portion of the base pipe that is  
5 remains uncovered by the filter media.

1 60. The expandable sand screen of claim 59, further comprising an expandable shroud.

*N*  
*S*  
*61*  
61. The expandable sand screen of claim 59, further comprising a protective member adapted to reduce the likelihood of damage to the screen-adjacent device.

*1*  
1 62. An expandable screen for a well, comprising:

*2*  
2 a base pipe;

*3*  
3 a shroud;

*4*  
4 a filter media between the base pipe and the shroud; and

*5*  
5 a control line passageway extending at least a portion of the length of the screen.

*1*  
1 63. The expandable screen of claim 62, wherein the control line passageway is provided in  
2 one of the base pipe and the shroud.

*1*  
1 64. The expandable screen of claim 62, wherein the control line passageway is selected from  
2 a groove, a dovetail groove, an internal passageway, a channel, a dovetail channel, and a  
3 space between a plurality of sections of the shroud.